

Methods and Apparatus for Prescribing Web Tracking in Processing Equipment

Abstract of the Disclosure

Methods and apparatus to reduce or eliminate misalignment, wrinkles, and creases in coated web product. A relationship between web outgassing pressure and surface roughness of the web and web transporting rollers is developed. This relationship allows for the control over the web outgassing pressure. The ability to adjust the web tension pressure, as well as the selection of web transporting rollers with prescribed surface characteristics, allows an operator to control the degree to which the web floats over or tracks the web transporting roller. A controller, in response to pressure and tension sensors, can also provide dynamic, closed-loop control of the entire system.

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